

INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)

ATTY DOCKET NO.

60487B

SERIAL NO.

10/021,774

APPLICANT

Johan Thoen, et al

FILING DATE

December 12, 2001

GROUP

1711

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
NF	3,058,944	10/1962	Breslow, et al.			
	3,203,936	8/1965	Breslow, et al.			
	3,203,937	8/1965	Breslow, et al.			
	3,282,864	11/1966	Bost, et al.			
	3,298,975	1/1967	Feild, et al.			
	3,336,268	8/1967	Cox			
	3,341,480	9/1967	Feild			
	3,377,415	4/1968	Oppenlander			
	3,389,198	6/1968	Taber			
	3,530,108	9/1970	Oppenlander			
NF	3,645,992	2/1972	Elston			

RECEIVED  
SEP 24 2002  
TC 1700

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
NF	797 917	10/1968	Canadian				
	1 024 296	1/1978	Canadian				
	1 219 389	3/1987	Canadian				
	0 351 208	1/1990	European				
NF	0 474 376	3/1992	European				

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

NF	R. A. Abramovitch, "Polar Radicals in Aromatic Substitution, <u>Intra-Science Chemistry Reports</u> , pp. 211-218, 1969
NF	R. A. Abramovitch et al., "Reaction of Sulphonyl Azides with Unstrained Olefins", <u>J. Chem. Soc.</u> , pp. 2169-2172, 1974
NF	R. A. Abramovitch et al., "Intramolecular Insertion of Arylsulfonylnitrenes into Aliphatic Side Chains, <u>J. Org. Chem.</u> , Vol. 42, No. 17, pp. 2920-2926, 1977.

EXAMINER

DATE CONSIDERED

6/03

\*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.



## INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)

ATTY DOCKET NO.

60487B

SERIAL NO.

10/021,774

APPLICANT

Johan Thoen, et al

FILING DATE

December 12, 2001

GROUP

1711

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
MF	3,687,920	8/1972	Johnson			
	3,893,989	7/1975	Leicht, et al.			
	3,914,342	10/1975	Mitchell			
	3,959,425	5/1976	Herrington			
	4,003,712	1/1977	Miller			
	4,076,698	2/1978	Anderson, et al.			
	4,113,802	9/1978	Matteoli, et al.			
	4,200,556	4/1980	Robinson, et al.			
	4,352,892	10/1982	Lohmar			
	4,532,189	7/1985	Mueller			
MF	4,579,905	4/1986	Krabbenhoft			

RECEIVED  
SEP 24 2002  
TC 1700

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
MF	0 595 252	5/1994	European				
	0 625 545	1/1998	European				
	0 634 441	5/1998	European				
	0 634 454	11/1997	European				
MF	0 702 032	3/1996	European				

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

MF	R. A. Abramovitch et al., "Pyrolysis of Phenylalkylsulphonyl Azides and 2-phenethyl Azidofomate. Selectivity of Sulphonylnitrenes And Contrast between Sulphonyl-and Carbonyl-nitrenes, <u>J. Chem. Soc. Chem Commun.</u> , pp. 1087-1088, 1981
MF	R. A. Abramovitch et al., "Reaction of Aromatic Sulfonyl Azides with Dienes", <u>J. Org. Chem.</u> , Vol. 46, pp. 330-335, 1981
MF	H. Radusch et al., "Chemical coupling of polystyrene and polybutadiene in melt mixtures by using an organic sulfonylazide", <u>Die Angewandte Makromolekulare Chemie</u> , Vol. 204, pp. 177-189, 1993

EXAMINER

DATE CONSIDERED

6/03

\*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.



INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)

ATTY DOCKET NO.

60487B

SERIAL NO.

10/021,774

APPLICANT

Johan Thoen, et al

FILING DATE

December 12, 2001

GROUP

1711

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
MF	4,584,347	4/1986	Harpell, et al.			
	4,694,025	12/1987	Park			
	4,820,471	4/1989	van der Molen			
	5,008,204	4/1991	Stehling			
	5,037,895	8/1991	Maker, et al.			
	5,272,236	12/1993	Lai, et al.			
	5,278,272	1/1994	Lai, et al.			
	5,284,613	2/1994	Ali, et al.			
	5,358,792	10/1994	Mehta, et al.			
	5,373,236	12/1994	Tsui, et al.			
MF	5,414,027	5/1995	DeNicola, Jr., et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
MF	0 747 376	5/1996	European				
	0 872 517	10/1998	European				
	1 569 025	7/1970	German			X	
	46-31756	9/1971	Japanese			X	
	50-133248	10/1975	Japanese*				X
MF	1 080 619	8/1967	United Kingdom				

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

MF	N. Takashima et al., "The Processings of Crosslinked Plastics", <u>Kogaku Kogyo (Chemical Industry)</u> , pp. 378-383, 1969
MF	D. S. Breslow et al., "Thermal Reactions of Sulfonyl Azides", <u>J. Amer. Chem. Soc.</u> , Vol. 91, pp. 2273-2279, 1969
MF	*Derwent Chemical Abstract No. 1977-88691Y for JP 50-133248

EXAMINER

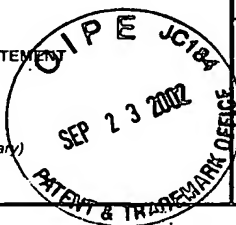
DATE CONSIDERED

\*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.

## INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)



ATTY DOCKET NO.

60487B

SERIAL NO.

10/021,774

APPLICANT

Johan Thoen, et al

FILING DATE

December 12, 2001

GROUP

1711

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
OLF	5,491,019	2/1996	Kuo			
	5,519,785	5/1996	Hara			
	5,641,848	6/1997	Giacobbe, et al.			
	5,747,594	5/1998	deGroot, et al.			
	5,767,033	6/1998	Imuta, et al.			
	5,844,045	12/1998	Kolthammer, et al.			
	5,869,575	2/1999	Kolthammer, et al.			
	6,143,829	11/2000	Babb, et al.			
	6,207,754	3/2001	Yu			
	6,211,302	4/2001	Ho, et al.			
MF	6,417,242	10/2001	Hughes, et al.			

RECEIVED  
SEP 24 2002  
TC 1700

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
OLF	2 205 103 A	11/1988	United Kingdom				
	93/04486	3/1993	WO				
	96/07681	3/1996	WO				
	96/20247	7/1996	WO				
OLF	97/20888	6/1997	WO				

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

MF	M. Xanthos, "Interfacial Agents of Multiphase Polymer systems: Recent Advances", <u>Polymer Engineering and Science</u> , Vol. 28, pp. 1392-1400, 1988
MF	K. A. Chaffin et al., "Semicrystalline Blends of Polyethylene and Isotactic Polypropylene: Improving Mechanical Performance by Enhancing the Interfacial Structure", <u>Journal of Polymer Science: Part B: Polymer Physics</u> , Vol. 38, pp. 108-121, 2000
MF	E. P. Moore, <u>Polypropylene Handbook</u> , pp. 15-45, 1996

EXAMINER

DATE CONSIDERED

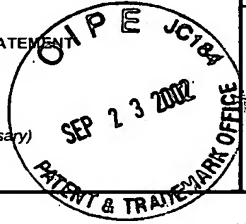
6/03

\*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.

## INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)



ATTY DOCKET NO.

60487B

SERIAL NO.

10/021,774

APPLICANT

Johan Thoen, et al

FILING DATE

December 12, 2001

GROUP

1711

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
MF	6,103,833	8/2000	Hogt et al			

RECEIVED  
SEP 24 2002  
TC 1700

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES   NO
MF 97/20889	6/1997	WO			
MF 99/10426	3/1999	WO			
MF 00/02960	1/2000	WO			
MF 00/02961	1/2000	WO			
MF 00/52091	9/2000	WO			

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

MF	E.P. Moore, <u>Polypropylene Handbook</u> , p. 220, 1996
MF	E.P. Moore, <u>Polypropylene Handbook</u> , pp. 330-332, 1996
MF	Han and Shetty, "Studies on Multilayer Film Coextrusion III. The Rheology of Blown Film Coextrusion", <u>Polymer Engineering and Science</u> , Vol. 18, No. 3, pp. 187-199, 1978

EXAMINER

DATE CONSIDERED

\*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.

## INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)

ATTY DOCKET NO.

60487B

SERIAL NO.

10/021.774

**APPLICANT**

Johan Thoen, et al

FILING DATE

December 12, 2001

GROUP

1711

## U.S. PATENT DOCUMENTS

IF APPROPRIATE

RECEIVED

SEP 24 2002

TC 1700

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
					YES	NO
0078861	12/2000	WO				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

Inoue, "Selective Crosslinking in Polymer Blends. I. Novel Selective Crosslink Systems for Polypropylene/Unsaturated Elastomer Blends", *Journal of Applied Polymer Science*, Vol. 54, pp. 709-721, 1994

Inoue, "Selective Crosslinking in Polymer Blends. II. Its Effect on Impact Strength and Other Mechanical Properties of Polypropylene/Unsaturated Elastomer Blends", *Journal of Applied Polymer Science*, Vol. 54, pp. 723-733, 1994

Inoue and Suzuki, "Selective Crosslinking Reaction in Polymer Blends. III. The Effects of the Crosslinking of Dispersed EPDM Particles on the Impact Behavior of PP/EPDM Blends", *Journal of Applied Polymer Science*, Vol. 56, pp. 1113-1125, 1995

Derwent Chemical Abstract No. 77-02552Y of JP 51134762A

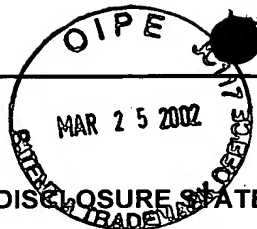
United States Patent Application Serial No. 09/133,576 filed August 13, 1998 (43324A), Craig Silvis et al., "In-Situ Rheology Modification of Polyolefins".

EXAMINER

DATE CONSIDERED

\*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.



## INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)

ATTY DOCKET NO.

60487B

SERIAL NO.

10/021,774

APPLICANT

Johan A. Thoen et al

FILING DATE

12/12/2001

GROUP

1711

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
MEF	4 714 716	12/22/1987	Park, Chung P.			
	4 916 198	04/10/1990	Scheve, Joseph B. et al.			
	5 116 881	05/26/1992	Park, John J. et al.			
	5 180 751	01/19/1993	Park, John J. et al.			
	5 266 643	11/30/1993	Mustonen, Tarja et al.			
	5 348 795	09/20/1994	Park, Chung P.			
	5 527 573	06/18/1996	Park, Chueng P. et al.			
	5 567 742	10/22/1996	Park, Chueng P.			
	5 605 936	02/25/1997	DeNicola, Anthony J. Jr. et al.			
	5 616 627	04/01/1997	Sakurai, Tadashi et al.			
MEF	5 883 151	03/16/1999	Raetzsch, Manfred et al.			

RECEIVED

MAR 28 2002

TC 1700

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES   NO
MEF	99/10424	03/04/1999	WO			
MEF	00/78858	12/28/2000	WO			

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

EXAMINER

DATE CONSIDERED

\*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.

FOR

EXAM  
IN

EXAMINER  
\*EXAMINER:

Initial if cited  
and not corrected